BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	AAAAAAAA AAAAAAAA AAAAAAAA	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	888888888888 888888888888 888888888888		KKK KKK KKK	KKK KKK KKK
BBB BBB	AAA AAA	DDD DDD	BBB BBB	iii	KKK	KKK
BBB BBB	AAA AAA	DDD DDD	BBB BBB	iii	KKK	KKK
BBB BBB BBB	AAA AAA	DDD DDD	BBB BBB	iii	KKK	KKK
BBB BBB	AAA AAA	DDD DDD	BBB BBB	iii	KKK	KKK
BBB BBB	AAA AAA	DDD DDD	BBB BBB	iii	KKK	
BBB BBB	AAA AAA	DDD DDD	BBB BBB			KKK
BBBBBBBBBBBB	AAA AAA		000 000 000	LLL	KKK	KKK
BBBBBBBBBBBBB			BBBBBBBBBBBB	LLL	KKKKKKKK	
	AAA AAA	DDD DDD	88888888888	LLL	KKKKKKKK	
BBBBBBBBBBBB	AAA AAA	DDD DDD	BBBBBBBBBBBB	LLL	KKKKKKKK	
BBB BBB	AAAAAAAAAAAA	DDD DDD	BBB BBB	LLL	KKK	KKK
BBB BBB	AAAAAAAAAAAA	DDD DDD	BBB BBB	LLL	KKK	KKK
BBB BBB	AAAAAAAAAAAA	DDD DDD	BBB BBB	LLL	KKK	KKK
888 888 888 888	AAA AAA	DDD DDD	BBB BBB	III	KKK	KKK
BBB BBB	AAA AAA	DDD DDD	BBB BBB	III	KKK	KKK
888 888	AAA AAA	DDD DDD	BBB BBB	III	KKK	KKK
BBBBBBBBBBBB	AAA AAA	DDDDDDDDDDD	BBBBBBBBBBBB	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	KKK	KKK
BBBBBBBBBBBB	AAA AAA	DDDDDDDDDDD	BBBBBBBBBBBBB	LLLLLLLLLLLLLLL	KKK	KKK
BBBBBBBBBBBBB	AAA AAA	DDDDDDDDDDDD	BBBBBBBBBBBBB			
000000000000	000		000000000000	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	KKK	KKK

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	CC CC CC	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	NN NN NN NN NN NN NNN NN NNNN NN NNNN NN NN NN	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF		EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$					

0046

MODULE SCANFILE (
IDENT = 'V04-000'
BEGIN

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FACILITY:

DYNAMIC BAD BLOCK UTILITY ABSTRACT:

THIS PROCESS EXAMINES FILES SUSPECTED OF CONTAINING BAD DISK BLOCKS. THOSE DISK BLOCKS VERIFIED TO BE BAD ARE ADDED TO THE BAD BLOCK FILE. THE OTHERS ARE RETURNED TO THE VOLUME FOR REUSE.

ENVIRONMENT: VAX/VMS OPERATING SYSTEM, VERSION 1.0

AUTHOR: THOMAS G. DOPIRAK , CREATION DATE:5/16/78

! MODIFIED BY:

V0002 ACG0059 Andrew C. Goldstein, 21-Aug-1979 20:45 fix repeated write/read test so it really repeats

```
G 15
15-Sep-1984 23:36:57
14-Sep-1984 11:54:33
SCANFILE
VO4-000
                                                                                                                                                                              VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
     106
107
108
109
110
                              0105
0106
0107
0108
01109
01112
01113
01113
01121
01123
01123
01133
01135
01136
                                                       IOSB: VECTOR[4, WORD] INITIAL(0,0), FIB: BLOCK[FIB$C_LENGTH, BYTE]
                                                                                                                               !IOSB FOR DISK OPERATIONS !FILE IDENTIFICATION BLOCK
                                                   EQUATED SYMBOLS:
                                               BIND
     114
     116
                                                         SYMBOLS FOR TYPES OF BLOCK TEST RESULTS
                                                              NORMAL_STS=0,
ERROR_STS=1,
BAD_STS=2,
                                                                                                               !TEST COMPLETED NORMALLY !NON-RECOVERABLE ERROR
     118
119
120
121
123
124
127
128
129
131
133
134
135
137
                                                                                                               BAD BLOCK INDICATED
                                                       TRUE=1,
FALSE=0
                                                       FIB_DESC=UPLIT(FIB$C_LENGTH,FIB)
                                                   EXTERNAL REFERENCES:
                                              EXTERNAL

CHANNEL:WORD,

MBX_CHANNEL:WORD,

ACP_MAIL:BLOCK[,BYTE],

OLD_UCB
                                                                                                                              !CHANNEL TO F11ACP MAILBOX !BUFFER FROM F11ACP
                                              EXTERNAL ROUTINE
                                                       SET_UCB;
```

(2)

Page

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32:1

Page

(3)

```
I 15
15-Sep-1984 23:36:57
14-Sep-1984 11:54:33
SCANFILE
VO4-000
                                                                                                                 VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
   IF
                                              .LAST_BLOCK LSSU BLOCK_TEST_SIZE
                                         THEN
                                              STARTING_BLOCK=1
                                         ELSE
                                              STARTING_BLOCK=.LAST_BLOCK-BLOCK_TEST_SIZE+1;
                                         TEST GROUP OF BLOCKS !ACTION DEPENDS UPON WHETHER ANY 'BAD' BLOCKS FOUND
                                              CASE CHECK_BADSTATUS(GROUP_BLOCKTEST()) FROM NORMAL_STS TO BAD_STS OF
                                                   SET
[NORMAL_STS]:
                                                                                            !SUCCESSFUL TEST
                                                         CHECK TO SEE IF FINISHED
                                                              .STARTING_BLOCK EQLU 1
                                                        THEN
                                                              BEGIN
                                                             NORMAL_COMPLETE();
RETURN
                                                  LAST_BLOCK=.STARTING_BLOCK-1;
ERROR_STS]: !ERROR
ERROR_COMPLETE();
RETURN
END:
                                                                                            !ERROR BUT NOT BADBLOCK ERROR
                                                        END:
                                                   [BAD STS]:
                                                                                  !BADBLOCK FOUND, SCAN INDIVIDUAL BLOCKS
                                                             NOT GROUP_RETURN()
                                                        THEN
                                                             BEGIN
ERROR COMPLETE();
RETURN
                                                             END:
                                                             (.STARTING_BLOCK EQLU 1) OR (.TRUNC_BLOCK LEQ 1)
                                                             BEGIN
NORMAL_COMPLETE();
                                                             RETURN
                                                             END
                                                        ELSE
                                                             LAST_BLOCK=.TRUNC_BLOCK-1
                                                  TES; END;
                                         END
                              END:
```

SCANFILE V04-000		J 15 15-Sep-1984 23:36:57 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:54:33 [BADBLK.SRC]SCANFILE.B32:1	Page 6
		.TITLE SCANFILE .IDENT \V04-000\ .PSECT \$PLIT\$, NOWRT, NOEXE, 2 00000040, 00000 P.AAA: .LONG 64 .ADDRESS FIB	:
		.PSECT \$0WN\$,NOEXE,2 00000 DISK_TEXT:	
		O3COC STARTING_BLOCK: BLKB 4 O3C10 LAST_BLOCK:	:
		00000000 00000000 03C14 IOSB: LONG 0, 0 03C1C FIB: .BLKB 64	:
		NORMAL_STS= 0 ERROR_STS= 1 BAD_STS= 2 TRUE= 1 FALSE= 0 FIB_DESC= P.AAA .EXTRN CHANNEL, MBX_CHANNEL .EXTRN ACP_MAIL, OLD_UCB .EXTRN SET_UCB	
		.PSECT \$CODE\$,NOWRT,2	; 0137
0040 8F	00	007C 00000 .ENTRY SCAN, Save R2,R3,R4,R5,R6 00 0000 MOVAB STARTING BLOCK, R6 00 00000 MOVC5 W0, (SP), W0, W64, FIB	0176
		6E 0000	0182 0196 0198
	66	04 A6 0E C3 00023 28: SUBL3 #14, LAST_BLOCK, STARTING_BLOCK 0000V CF 00 FB 00028 38: CALLS #0, GROUP_BLOCKTEST	0200 0206
	0012	04 A6 0E C3 00023 28: SUBL3 #14, LAST_BLOCK, STARTING_BLOCK 0000V CF 00 FB 00028 38: CALLS #0, GROUP_BLOCKTEST 50 DD 0002D PUSHL R0 000 CALLS #1, CHECK_BADSTATUS 00 CASEL RO, #0, #2 001A 0006 00038 48:WORD 55-48 78-48,-	

SCANFILE VO4-000							1	K 15 5-Sep- 4-Sep-	1984 23:36: 1984 11:54:	57 VAX-11 Bliss-32 V4.0-742 BADBLK.SRCJSCANFILE.B32	Page 7
	04	A6	0000V 0000V 68	01 66 CF 06 CF 01 01 CF A6	F8	66 20 01 00 50 00 66 06 06 00 01 A7	D1 0003E 13 00041 C3 00048 FB 0004A E8 0004F FB 00057 D1 00058 D1 00058 D1 00061 FB 00063 04 00068 C3 00069 11 0006F 04 00071	6\$: 7\$: 8\$:	SUBL3 BRB CALLS BLBS CALLS RET CMPL BEQL CMPL BGTR CALLS RET	6\$-4\$ STARTING_BLOCK, #1 9\$ #1, STARTING_BLOCK, LAST_BLOCK 1\$ #0, GROUP_RETURN R0, 8\$ #0, ERROR_COMPLETE STARTING_BLOCK, #1 9\$ TRUNC_BLOCK, #1 10\$ #0, NORMAL_COMPLETE #1, TRUNC_BLOCK, LAST_BLOCK 1\$	0213 0220 0212 0230 0233 0233 0237 0238 0241 0245 0245
; Routine Size	e: 114 by	tes,	Routine	Base:	\$CODE\$	+ 00	000				

Page

SCANFILE V04-000 : 311 : 312 : 313 : 314 : 315 : 316 : 317 : 318 : 319	0310 2 0311 2 L 0312 2 L		PED VIRTUAL BLOC >=.STAT_BLOCK[3] 5>=.STAT_BLOCK[2		Page (5)
			0009000A 00000000°	.PSECT \$OWN\$, NOEXE, 2 03C5C STAT_BLOCK: .BLKB 10 .BLKB 2 03C68 ATTRIBUTES: .LONG 589834 03C6C .ADDRESS STAT_BLOCK 03C70 .LONG 0	•
	10 A6	OD A6 23 A6 0000G CF 0000V CF 02 A6 50	0070 0000° CF 9E 01 88 06 28 58 A6 9F 7E 70 7E D4 0000° CF 9F 72 8F 9A 06 FB 52 A6 B0 01 D0	0002A MOVW STAT_BEOCK+6, LAST_BLOCK 0002E MOVW STAT_BLOCK+4, LAST_BLOCK+2	0250 0296 0297 0301 0306

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VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

SCANFILE V04-000 : 378 : 379 : 380 : 381 : 382 : 383 : 384	0373 2 0374 2 0375 2 0376 2 0377 2 0378 2 0379 1 END	TRUNC_BL	.OCK=.FIB[FIE .OCK=.VBN;	B\$L_EX	12=	16 Sep-1984 23:36 Sep-1984 11:54	5:57 VAX-11 Bliss-32 V4.0-742 6:33 [BADBLK.SRC]SCANFILE.B32;1	Page (11 (6)
		8	2 0000		04 00000 TI 9E 00002 DO 00007 7C 0000B 7C 0000D	RUNCATE: .WORD MOVAB MOVL CLRQ CLRQ PUSHAB	Save R2 FIB+28, R2 VBN, FIB+28 -(SP) -(SP) FIB_DESC	: 0316 : 0356 : 0361
		CC A	0000° F C C C C C C C C C C C C C C C C C C	36 A2 AC 05 62 AC	9F 0000F DD 00013 FB 00015 D4 0001A D1 0001D 13 00021 D0 00023 04 00027 D0 00028 11	CALLS CLRL CMPL BEQL MOVL RET	FIB_DESC #54 #6, DO_Q10W FIB+24 VBN, FIB+28 1\$ FIB+28, TRUNC_BLOCK VBN, TRUNC_BLOCK	0365 0371 0373 0375 0379

; Routine Size: 46 bytes, Routine Base: \$CODE\$ + 00A9

```
ROUTINE TRUNCATE_BAD(VBN)=
FUNCTIONAL DESCRIPTION:
                                            TRUNCATE BAD PERFORMS 2 TRUNCATIO OPERATIONS.
ALL BLOCKS AFTER(HIGHER VBN'S) ARE RETURNED TO
THE SYSTEM VIA A CALL TO TRUNCATE. THE CURRENT
VBN KNOWN AS 'BAD' IS TRUNCATED OFF THE CURRENT FILE
AND ONTO THE BAD BLOCK FILE. DUE TO CLUSTERING, MORE BLOCKS
THAN REQUESTED MAY BE ADDED TO THE BAD BLOCK FILE AND
TRUNC_BLOCK IS SET TO THE LAST BLOCK ADDED.
                                    FORMAL PARAMETERS:
                                             VBN: VIRTUAL BLOCK NUMBER OF BLOCK TO MARK BAD
                                    IMPLICIT INPUTS:
                                             NONE
                                    IMPLICIT OUTPUTS:
                                             TRUNC_BLOCK: LAST BLOCK(LOWEST VBN) ADDED TO BAD BLOCK FILE
                                   ROUTINE VALUE:
COMPLETION CODES:
                                             IF EITHER TRUNCATE OPERATION FAILS THEN THAT STATUS IF RETURNED
                                   SIDE EFFECTS:
                                             NONE
BEGIN
                                     STATUS:
                                       BAD_COUNT=.BAD_COUNT+1;
                                 !TRUNCATE OFF GOOD PORTIONS OF FILE
                                       STATUS=TRUNCATE(.VBN+1);
                                             (.STATUS NEQ SS$_NORMAL) AND (.STATUS NEQ SS$_ENDOFFILE)
                                       THEN
                                             RETURN .STATUS;
                                 SET BLOCK TO TRUNCATE AT
                                       fIB[fIB$L_EXVBN]=.VBN;
                                NOTE RETURN IS TO BAD BLOCK FILE
```

				0	004	00000	TRUNCATE_BAD:	Saura B2	. 0790
		52	0000,	CF	9E 06	00002	WORD MOVAB INCL	Save R2 FIB+28, R2 BAD_COUNT	: 0380
7E	04 BF	AC	00	A2 01	C1	A0000	ADDL3	#1, VBN, -(SP)	: 0420 : 0424
	Br	AF 01		01 50 09	FB D1	0000F 00013	CALLS	#1, TRUNCATE STATUS, #1	0426
	00000870	8F		50 2F	01	00016 00018 0001F	BEQL CMPL BNEQ	1\$ STATUS, #2160 4\$	0427
	FB	62 A2	04	AC 04 7E	00 88 70	00021 00025 00029	1\$: MOVL BISB2 CLRQ	VBN, FIB+28 #4, FIB+23 -(SP)	0433 0438 0443
			0000	7E CF 36	9F DD	0002B 0002D 00031	ČĽRQ PUSHA PUSHL	-(SP) B FIB_DESC	
	0000v	CF		06	FB D4	00033	CALLS	#54- #6. DO_QIOW FIB+24-	0447
		62	F C 04	AC	01	0003B	CMPL	VBN, F18+28	0453
	cc	A2		36 06 A2 AC 06 62 05	DO 11	0003F 00041 00045	BEQL MOVL BRB	FIB+28, TRUNC_BLOCK 3\$	0455

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

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1

SCANFILE

15-Sep-1984 23:36:57 14-Sep-1984 11:54:33

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

Page 14 (7)

CC A2 FB A2 04 AC DO 00047 2\$: 04 8A 0004C 3\$: 04 00050 4\$: MOVL VBN, TRUNC_BLOCK BICB2 #4, FIB+23 : 0457 : 0463 : 0466

; Routine Size: 81 bytes, Routine Base: \$CODE\$ + 00D7

Page 15 (8)

```
SCANFILE
VO4-000
                                                                                             VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
  INCR TEST_INDEX FROM 1 TO TRIALS_TO_SUC DO
                                  WRITE TO THE INDICATED DISK BLOCK
                                      NOT (STATUS=DO_QIOW(IO$_WRITEVBLK+IO$M_INHRETRY,GROUP_TEST_DATA,512,.VBN,0,0))
                                      RETURN .STATUS:
                                  TRY AND READ IT BACK
                                          NOT (STATUS=DO_QIOW(IO$_READVBLK+IO$M_INHRETRY,DISK_TEXT,512,.VBN,0,0))
                                      THEN
                                          RETURN .STATUS;
                                  MAKE SURE ITS THE SAME
                                          CH$NEQ(512,GROUP_TEST_DATA,512,DISK_TEXT)
                                      THEN
                                          RETURN SS$_PARITY
                                  END:
                       END;
                             RETURN TRUE
```

			0	OFC 00000	BLOCKTE		Cause D2 D7 D4 D5 D4 D7	0447
	57 56 21 52	0000y 0000 3000	CF C6 01	9E 00002 9E 00007 E9 00000 D0 00011 7C 00014		MOVAB MOVAB BLBC MOVL	Save R2,R3,R4,R5,R6,R7 D0_Q10W, R7 DISK_TEXT, R6 READ_FAIL, 2\$ #1, TEST_INDEX -(SP)	0467 0514 0518
	7E	0200	7E AC 8F	DD 00016 3C 00019		CLRQ PUSHL MOVZWL	VBN #512, -(SP)	
E2	7E 67 55 3D 52 54	8031	8F 56 8F 050 503 01 7E	DD 0001E 3C 00020 FB 00025 D0 00028 E9 0002E F3 0002E D0 00032 7C 00035	2\$: 3\$:	PUSHL MOVZWL CALLS MOVL BLBC AOBLEQ MOVL	R6 #32817, -(SP) #6, DO QIOW RO, STATUS STATUS, 4\$ #3, TEST_INDEX, 1\$ #1, TEST_INDEX	0517 0531
	7E	04 0200 1E00	AC 8F C6	DD 00037 3C 0003A 9F 0003F	35:	CLRQ PUSHL MOVZWL PUSHAB	-(SP) VBN #512, -(SP) GROUP_TEST_DATA	

SCANFILE V04-000				H 16 15-Sep-1984 23:36:57 VAX-11 Bliss-32 V4.0-742 P 14-Sep-1984 11:54:33 [BADBLK.SRC]SCANFILE.B32:1	age 17 (8)
		7E 67 55 1A 7E 7E 67 55 04	04 0200 8031	8F 3C 00043	0539
	66	1E00 C6	0200	55 DO 0006B 4\$: MOVL STATUS, RO 04 0006E RET 8F 29 0006F 5\$: CMPC3 #512, GROUP_TEST_DATA, DISK_TEXT	: 0548
		50	01F4	8F 29 0006F 5\$: CMPC3 #512, GROUP_TEST_DATA, DISK_TEXT 06 13 00077 BEQL 6\$ 8F 3C 00079 MOVZWL #500, R0 04 0007E RET	: 0550
	B2	54		04 0007E 03 F3 0007F 6\$: AOBLEQ #3, TEST_INDEX, 3\$ 01 D0 00083 MOVL #1, R0 04 00086 RET	0547 0553 0555

; Routine Size: 135 bytes, Routine Base: \$CODE\$ + 0128

FOR SHORT FILES OR FOR THE START OF A FILE, GROUP SIZE MAY BE SHORTER !THAN THE DEFAULT

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.STARTING_BLOCK EQL 1 THEN CURRENT_SIZE=.LAST_BLOCK*512 ELSE CURRENT_SIZE=GROUP_SIZE;

DEFAULT THAT FAILURES WILL NOT BE DATA SENSITIVE

READ_FAIL=FALSE;

```
J 16
15-Sep-1984 23:36:57
14-Sep-1984 11:54:33
SCANFILE
VO4-000
                                                                                                     VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
                                                                                                                                                    (9)
  GROUP FAILURE MAY BE DATA SENSITIVE READ SEVERAL TIMES BEFORE PASSING TO WRITE/READ TESTING
                                INCR TEST_INDEX FROM 1 TO TRIALS_TO_SUC DO
                                         NOT (STATUS=DO_QIOW(IO$_READVBLK+IO$M_INHRETRY,DISK_TEXT,.CURRENT_SIZE,.STARTING_BLOCK,O,O))
                                    THEN
                                         BEGIN
                                         READ FAIL=TRUE;
RETURN .STATUS
                                         END:
                            GROUP MUST PASS WRITE/READ TEST MULTIPLE TIMES BEFORE
                            BEING CONSIDERED GOOD
                                INCR TEST_INDEX FROM 1 TO TRIALS_TO_SUC DO
                                    BEGIN
                                     WRITE TO THE INDICATED DISK BLOCK
                                         IF
                                             NOT (STATUS=DO_QIOW(IO$_WRITEVBLK+IO$M_INHRETRY, GROUP_TEST_DATA,.CURRENT_SIZE,.STARTING_BLOCK
                                         THEN
                                             RETURN .STATUS;
                                    !TRY AND READ IT BACK
                                         IF
                                             NOT(STATUS=DO_QIOW(10$_READVBLK+10$M_INHRETRY,DISK_TEXT,.CURRENT_SIZE,.STARTING_BLOCK,0,0))
                                         THEN
                                             RETURN .STATUS;
                                    !MAKE SURE ITS THE SAME
                                         IF
                                             CH$NEQ(.CURRENT_SIZE, GROUP_TEST_DATA,.CURRENT_SIZE, DISK_TEXT)
                                         THEN
                                             RETURN SS$_PARITY
                                    END:
                                RETURN TRUE
                        1 END:
   668
```

58

0000v

0556

SCANFILE V04-000			K 16 15-Sep-1984 23:36:57 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 11:54:33 [BADBLK.SRC]SCANFILE.B32:1	e 20 (9)
	54	01 04 A7 54 52	67 D1 0000C CMPL STARTING_BLOCK, #1 07 12 0000F BNEQ 1\$ 09 78 00011 ASHL #9, LAST_BLOCK, CURRENT_SIZE 05 11 00016 BRB 2\$ 1E00 8F 3C 00018 1\$: MOVZWL #7680, CURRENT_SIZE	0604 0606 0608 0612 0620
	DE	7E 68 56 06 F4 A7 52 55	C3F4 C7 9F 00029 PUSHL CURRENT SIZE 8031 8F 3C 0002D PUSHAB DISK_TEXT 8031 8F 3C 0002D MOVZWL #328T7, -(SP) CALLS #6, DO QIOW CALLS #6, DO QIOW MOVL RO, STATUS 56 E8 00038 BLBS STATUS, 4\$ 01 DO 0003B MOVL #1, READ_FAIL 37 11 0003F BRB 6\$ 03 F3 00041 4\$: AOBLEQ #3, TEST_INDEX, 3\$	0623 0624 0619 0630 0636
		7E 68 56 18	03 F3 00041 4\$: AOBLEQ #3, TEST_INDEX, 3\$ 01 D0 00045	0644
		7E 68 56 04 50	C3F4 C7 9F 00066 PUSHAB DISK_TEXT 8031 8F 3C 0006A MOVZWL #328T7, -(SP) 06 FB 0006F CALLS #6, DO Q10W 50 D0 00072 MOVL R0, STATUS 56 E8 00075 BLBS STATUS, 7\$ 56 D0 00078 6\$: MOVL STATUS, R0	0646
	C3F4 C7	E1F4 C7	54 29 0007C 78: CMPC3 CURRENT_SIZE, GROUP_TEST_DATA, DISK_TEXT ; 06 13 00084 BEQL 8\$;	0653 0655
	B8	55 50	04 0008B RET 03 F3 0008C 8\$: AOBLEQ #3, TEST_INDEX, 5\$ 01 D0 00090 MOVL #1, RO	0652 0658 0660
; Routine Size:	148 bytes,	Routine Base:	에게 없었다고 있다면 하게 되었다면 하는데	

```
L 16
15-Sep-1984 23:36:57
14-Sep-1984 11:54:33
SCANFILE
VO4-000
                                   ROUTINE DO_QIOW(FUNCTION,P1,P2,P3,P4,P5)=
                       FUNCTIONAL DESCRIPTION:
                                              COMMON ROUTINE FOR PERFORMING $QIOW SYSTEM SERVICE
                                     FORMAL PARAMETERS:
                                              FUNCTION: THE QIOW FUNCTION CODE
P1: THE ADDRESS OF THE P1 PARAMETER
P2: THE ADDRESS OF THE P2 PARAMETER
P3: THE ADDRESS OF THE P3 PARAMETER
P4: THE ADDRESS OF THE P4 PARAMETER
                                      IMPLICIT INPUTS:
                                                                     THE CHANNEL NUMBER TO THE FILES ACP THE IO STATUS BLOCK
                                              CHANNEL:
                                              IOSB:
                                      IMPLICIT OUTPUTS:
                                              NONE
                                      ROUTINE VALUE:
                                      COMPLETION CODES:
                                              RETURNS THE SYSTEM SERVICE CODE FOR THE $QIOW
                                     SIDE EFFECTS:
                                              NONE
                                   BEGIN
                                   LOCAL
                                        STATUS:
                                   !DO QIOW AND CHECK IO SERVICE RETURN
                                              NOT (STATUS=$QIOW(CHAN=.CHANNEL,10SB=10SB,

FUNC=.FUNCTION,

P1=.P1,

P2=.P2,

P3=.P3,
                                                          P4=.P4,
P5=.P5))
                                         THEN
                                              RETURN .STATUS:
                                   !CHECK IO COMPLETION RETURN
```

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRCJSCANFILE.B32;1

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SCANFILE V04-000 : 727 : 728 : 729 : 730 : 731 : 732 : 733	M 16 15-Sep-1984 23:36: 14-Sep-1984 11:54: 0718 2 0719 2 0720 2 0721 2 0722 2 0722 2 0723 2 0724 1 END:	57 VAX-11 Bliss-32 V4.0-742 Page 22 (10)
	52 0000' CF 9E 00002 MOVAB 7E D4 00007 CLRL 7E 14 AC 7D 00009 MOVQ 7E 0C AC 7D 0000D MOVQ 08 AC DD 00011 PUSHL	SYS\$QIOW Save R2

; Routine Size: 55 bytes, Routine Base: \$CODE\$ + 0243

END:

VAX-11 Bliss-32 V4.0-742 EBADBLK.SRCJSCANFILE.B32:1

SCANFILE VO4-000		C 1 15-Sep-1984 23:36:57 14-Sep-1984 11:54:33	VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1	Page 24 (11)
	50 0000° 51 01E0 51 80 EB6DB6DB	CO 9E 00007 MOVAB 480 50 D1 0000C 1\$: CMPL POI 09 13 0000F BEQL 2\$	TA_INIT, Save nothing OUP_TEST_DATA, POINTER O(RO), END_POINTER INTER, END_POINTER 345131301, (POINTER)+	; 0725 ; 0765 ; 0766 ; 0771 ; 0773 ; 0774 ; 0780

; Routine Size: 27 bytes, Routine Base: \$CODE\$ + 027A

TES:

END:

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SCANFILE V04-000	E 1 15-Sep-1984 23:36:57 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:54:33 [BADBLK.SRC]SCANFILE.B32;1									Page 20	
		50 01	04	AC 50 03 50	D0 D1 12 D4	00002 00006 00009 0000B		MOVL CMPL BNEQ CLRL RET	STA RO, 1\$ RO	ATUS, RO	: 082 : 082
	00000054	8F		50 12	04 01 13	0000D 0000E 00015	1\$:	RET CMPL BEQL		#84 #140 #500 R0	082
	0000008C	8F		50	D1	00017 0001E		CMPL	RO.	. #140	
	000001F4	8F		50 04 02	D1	00020		CMPL	RO.	#500	
		50		02	00	00029	2\$:	CMPL BEQL CMPL BEQL CMPL BNEQ MOVL RET MOVL	#2.	. RO	: 082
		50		01	00	0002C 0002D 00030	3\$:	MOVL RET	#1,	. RO	082

; Routine Size: 49 bytes, Routine Base: \$CODE\$ + 0295

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

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```
G 1
15-Sep-1984 23:36:57
14-Sep-1984 11:54:33
SCANFILE
VO4-000
                                                                                                                                                                                              VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
                                                                                                                                                                                                                                                                            Page 28 (13)
                                                                     RETURN
END;
      900
901
902
903
904
905
906
907
908
909
                                                    DEACCESS THE FILE
                                                            DO_QIOW(IO$_DEACCESS,FIB_DESC,0,0,0,0);
                                                   RETURN
END;
                                                                                                                       0000 00000 NORMAL_COMPLETE:
                                                                                                                           DD 00002
FB 00004
D1 00009
13 0000C
D1 0000E
12 00015
7C 00017
7C 00019
9F 0001B
3C 0001F
FB 00024
E8 00029
FB 00024
E8 00029
FB 00031
7C 00032
7C 00034
9F 00036
DD 0003A
FB 0003C
04 00041
                                                                                                                                                                                                                                                                                     0831
0870
                                                                                                                                                                  WORD
                                                                                                                                                                                  Save nothing
                                                                                                                                                                PUSHL
                                                                                                                   CF
01
                                                                                                                                                                                  #1, TRUNCATE
STATUS, #1
                                                                     FDDA
                                                                                                                                                                                                                                                                                     0872
                                                                                                                                                                 CMPL
                                                                                                                                                                 BEQL
                                                                                                                                                                                 STATUS, #2160
2$
                                                             00000870
                                                                                                                                                                CMPL
BNEQ
                                                                                     8F
                                                                                                                                                                                                                                                                                     0873
                                                                                                                                                                CLRQ
CLRQ
PUSHAB
MOVZWL
                                                                                                                                                                                  -(SP)
                                                                                                                                                                                                                                                                                     0884
                                                                                                                                                                                 FIB_DESC
#309, -(SP)
#6, DO_QIOW
R0, 3$
#0, ERROR_COMPLETE
                                                                                                    0000
                                                                                    7E
CF
06
CF
                                                                     FF54
                                                                                                                                                                CALLS
BLBS
                                                                                                                                                                                                                                                                                     0887
0886
0894
                                                                                                                                                                CALLS
                                                                      0000V
                                                                                                                                                                CLRQ
                                                                                                                   7E 7E 64 06
                                                                                                                                                                                  -(SP)
-(SP)
                                                                                                                                                                                 FIB_DESC
#52
#6. DO_QIOW
                                                                                                                                                                PUSHAB
PUSHL
CALLS
RET
                                                                                                    0000'
```

0897

FF3C

; Routine Size: 66 bytes,

CF

Routine Base: \$CODE\$ + 0266

```
SCANFILE
VO4-000
                                                                                                                                  VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1
                                                                                                                                                                                      Page 29
(14)
                                   ROUTINE ERROR_COMPLETE:NOVALUE=
FUNCTIONAL DESCRIPTION:
                                               CALLED WHEN A FATAL DEVICE ERROR OR SYSTEM SERVICE ERROR IS ENCOUNTERED DURING PROCESSING. THE CURRENT FILE IS DEACCESSED
                                      FORMAL PARAMETERS:
                                               NONE
                                       IMPLICIT INPUTS:
                                               NONE
                                       IMPLICIT OUTPUTS:
                                               NONE
                                       ROUTINE VALUE:
COMPLETION CODES:
                                               NONE
                                       SIDE EFFECTS:
                                               NONE
                                   BEGIN
                                    !DEACCESS THE FILE
                                        DO_QIOW(IO$_DEACCESS,FIB_DESC,0,0,0,0);
                                   RETURN
                                   END;
                                                                                 0000 00000 ERROR_COMPLETE:
                                                                                                              . WORD
                                                                                                                         Save nothing
                                                                                        00002
00004
00006
0000A
0000C
00011
                                                                                                             CLRQ
                                                                                                                         -(SP)
-(SP)
                                                                              7E 7E 64 06
                                                                                    7C 7C 9F DD FB 04
                                                                                                             PUSHAB
PUSHL
CALLS
RET
                                                                                                                        F1B_DESC
#52
#6, DO_Q10W
                                                                    00000
```

0898

0938

; Routine Size: 18 bytes, Routine Base: \$CODE\$ + 0308

FF2A

SCANFILE VO4-000 I 1 15-Sep-1984 23:36:57 14-Sep-1984 11:54:33

VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

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VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1

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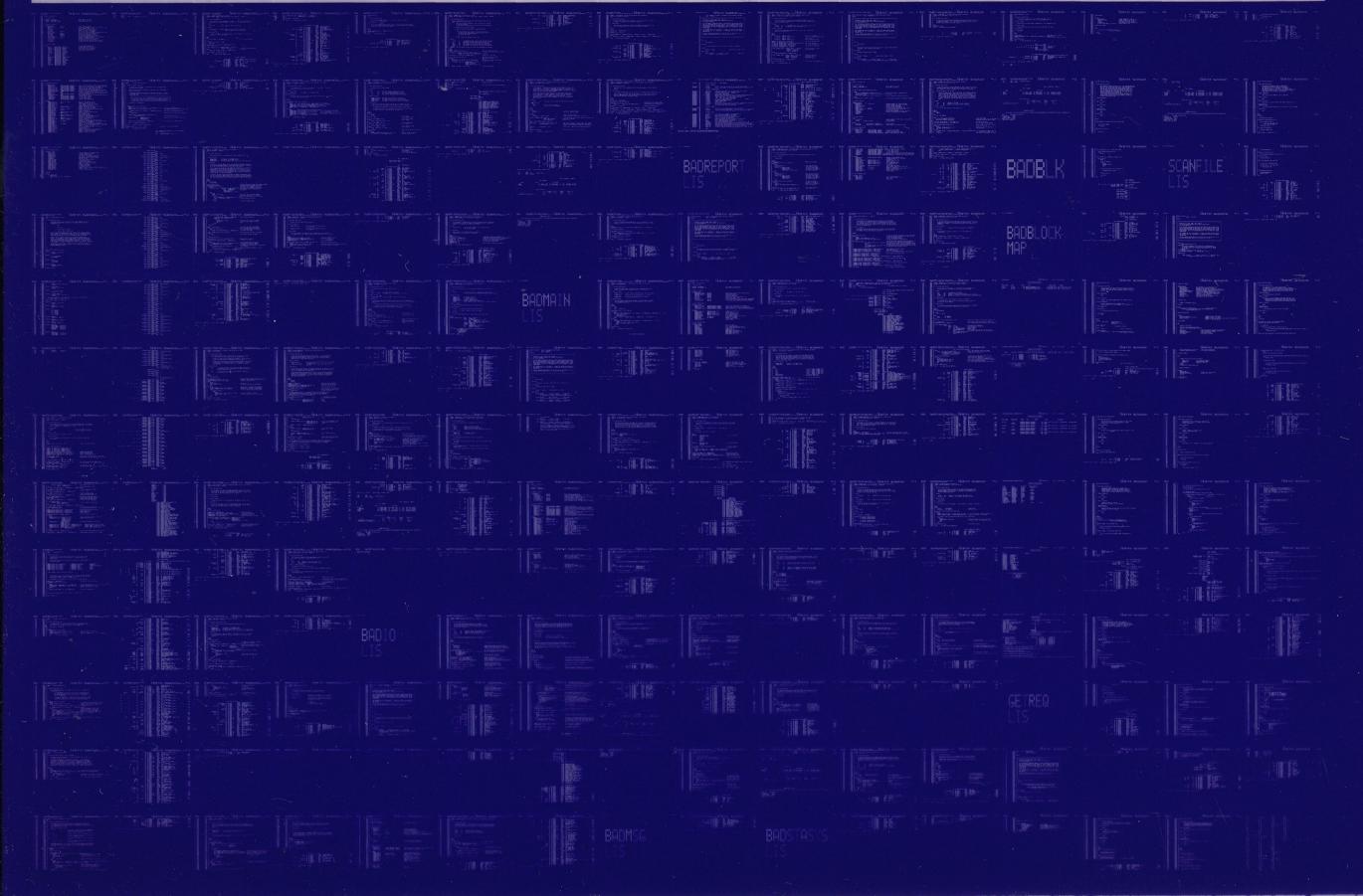
SCANFILE V04-000 : 1010 : 1011 : 1012 : 1013 : 1014 : 1015 : 1016	0996 3 0997 3 0998 3 0999 3 1000 3 E 1001 3 1002 1 END;	IF .VBN LSS .STA		34 23:36:57 VAX-11 Bliss-32 V4.0-742 34 11:54:33 [BADBLK.SRC]SCANFILE.B32;1	Page 32 (15)
	000E	53 000 52 0 FDFC CF FF62 CF 000 000B	000C 00000 GROUP_RE 00' CF 9E 00002 0C A3 D0 00007 52 DD 0000B 1\$: 01 FB 0000D 50 DD 00012 01 FB 00014 50 CF 00019 0006 0001D 2\$:	70 60,	: 0939 0980 0984
	52	63 FD8B CF 63 08 A3 50	52 D0 00023 3\$: 0A 11 00026 50 D4 00028 4\$: 04 0002A 52 DD 0002B 5\$: 01 FB 0002D 01 C3 00032 6\$: 52 D1 00036 CF 18 0003A 01 D0 0003C 04 0003F	MOVL VBN, TRUNC_BLOCK BRB 6\$ CLRL RO RET PUSHL VBN CALLS #1, TRUNCATE_BAD SUBL3 #1, TRUNC_BLOCK, VBN CMPL VBN, STARTING_BLOCK BGEQ 1\$ MOVL #1, RO RET	0988 0990 0992 0995 0997 0999 1002

; Routine Size: 64 bytes, Routine Base: \$CODE\$ + 031A SCANFILE VO4-000 VAX-11 Bliss-32 V4.0-742 [BADBLK.SRC]SCANFILE.B32;1 : 1020 1 END 0 ELUDOM !End of module PSECT SUMMARY Name Bytes Attributes 15476 NOVEC, WRT, 8 NOVEC, NOWRT, RD , NOEXE, NOSHR, LCL, RD , EXE, NOSHR, LCL, REL. REL. CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) SOWNS SPLITS SCODES NOVEC, NOWRT, Library Statistics ----- Symbols -----Pages Processing File Total Loaded Percent Mapped Time _\$255\$DUA28:[SYSLIB]LIB.L32;1 18619 27 1000 00:01.8 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:SCANFILE/OBJ=OBJ\$:SCANFILE MSRC\$:SCANFILE/UPDATE=(ENH\$:SCANFILE) Size:

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; Size: 858 code + 15484 data bytes ; Run Time: 00:17.7 ; Elapsed Time: 00:33.5 ; Lines/CPU Min: 3407 ; Lexemes/CPU-Min: 9369 ; Memory Used: 91 pages ; Compilation Complete 0018 AH-BT13A-SE VAX/VMS V4.0

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